

FOOT-OPERATED CONTROLLER

ABSTRACT OF THE DISCLOSURE

A practical control device having up to eight independent channels of communication for simultaneously operating a plurality of electromechanical devices or for simultaneously performing a plurality of independent functions on an electromechanical device, such as a
5 prosthetic hand, includes a foot-operated controller and a microprocessor. The foot-controller includes a plurality of pressure sensors mounted at selected locations on a substrate. The microprocessor converts sensor inputs from the foot-operated controller into commands for a controllable electromechanical device such as a prosthetic hand. Commands may be
10 communicated via a radio transmitter or via hard-wiring.